

STATE OF WASHINGTON
DEPARTMENT OF ECOLOGY

REPORT OF EXAMINATION

TO APPROPRIATE PUBLIC WATERS OF THE STATE OF WASHINGTON

☐ Surface Water (Issued in accordance with the provisions of Chapter 117, Laws of Washington for 1917, and amendments thereto, and the rules and regulations of the Department of Ecology.)

☒ Ground Water (Issued in accordance with the provisions of Chapter 263, Laws of Washington for 1945, and amendments thereto, and the rules and regulations of the Department of Ecology.)

PRIORITY DATE	APPLICATION NUMBER	PERMIT NUMBER	CERTIFICATE NUMBER
December 19, 1991	G2-28355		

NAME			
Fawn Lake Maintenance Association			
ADDRESS (STREET)	(CITY)	(STATE)	(ZIP CODE)
471 SE Crescent Drive	Shelton	Washington	98584-9211

PUBLIC WATERS TO BE APPROPRIATED

SOURCE
Well #4
TRIBUTARY OF (IF SURFACE WATERS)

MAXIMUM CUBIC FEET PER SECOND	MAXIMUM GALLONS PER MINUTE	MAXIMUM ACRE-FEET PER YEAR
	200	195

QUANTITY, TYPE OF USE, PERIOD OF USE		
70 acre-feet per year (Primary)	Multiple domestic supply	Year-round, as needed
125 acre-feet per year (supplemental)		

LOCATION OF DIVERSION/WITHDRAWAL

APPROXIMATE LOCATION OF DIVERSION-WITHDRAWAL
400 feet south and 550 feet west of the east quarter corner of Section 5.

LOCATED WITHIN (SMALLEST LEGAL SUBDIVISION)	SECTION	TOWNSHIP N.	RANGE, (E. OR W.) W.M.	W.R.I.A.	COUNTY
NE¼ SE¼	5	19	3W	14	Mason

RECORDED PLATTED PROPERTY

LOT	BLOCK	OF (GIVE NAME OF PLAT OR ADDITION)

LEGAL DESCRIPTION OF PROPERTY ON WHICH WATER IS TO BE USED

Plats of Fawn Lake, Divisions 1 through 6.

DESCRIPTION OF PROPOSED WORKS

Proposed 10-inch cased well. Anticipate 150 to 200 gpm.

DEVELOPMENT SCHEDULE

BEGIN PROJECT BY THIS DATE:

April 1, 1994

COMPLETE PROJECT BY THIS DATE:

April 1, 1995

WATER PUT TO FULL USE BY THIS DATE:

April 1, 1996

REPORT

BACKGROUND:

Under the provisions of Chapters 90.03 and 90.44 Revised Code of Washington (RCW), Fawn Lake Maintenance Association of Shelton, Washington filed an application to appropriate public ground water from a well. The amount requested is 200 gallons per minute for the purpose of multiple domestic supply. The application was assigned Application No. G2-28355, and given a priority date of December 19, 1991.

A legal notice of the applicant's proposed withdrawal was published in the Shelton-Mason County Journal of Shelton, Washington on February 13 and 20, 1992. No protests were received as a result of the public notice.

I recommend issuance of a permit based on the following report.

INVESTIGATIONS:

In consideration of this application, Gary Hanson and I conducted a field investigation on December 4, 1992. Joe Nevares, the caretaker, was present and directed us to the proposed well site.

Other investigations included a review of area water well reports, existing water rights, registered claims, and an evaluation of information submitted by the applicant.

As a result of these investigations, the following is reported.

Location and Description of Site

Fawn Lake is located approximately two miles south of Shelton and one mile east of highway 101. Fawn Lakes shoreline is developed with year round residences. Surrounding land use is comprised of single family homes, small farms and undeveloped timber land.

The site for the proposed well is located on the south side of Fawn Lake in a vacant field.

System Description

Fawn Lake water system is currently served by two existing wells. Well No. 2 is 74 feet deep and Well No. 3 is 225 feet deep. Plans are to construct Well No 4 in the same aquifer formation as Well No. 2 and install a 10 horsepower pump capable of 150 to 200 gpm. The final withdrawal rate will be based on system capacity and may be reduced prior to issuance of the water right certificate.

Aquifer Characteristics

Well No. 2 (74' deep) located approximately 2,800 feet east of the proposed site for Well No. 4 is completed is an aquifer formation consisting of water bearing sand and gravel. Well No. 3 (225' deep) located approximately 1,600 feet east of the proposed site Well No. 4 is also completed within water bearing sand and gravel.

Effect on Existing Rights

Fawn Lake Maintenance Association water system currently has the following ground water certificates:

- Certificate No. G2-00444C: 55 gpm, 88 acre-feet per year (af/y) for community domestic supply from well no. 1.

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- Certificate No. G2-00118C: 150 gpm, 125 af/y for community domestic supply from well no. 2. Issued as a primary right for 37 af/y and 88 af/y supplemental, not to exceed 125 af/y under both rights.
- Certificate No. G2-24976C: 200 gpm, 125 af/y (supplemental to certificate #G2-00118C), for community domestic supply from well No. 3.

The following ground and surface water records are on file with the Department of Ecology within a half mile radius:

- Five ground water rights authorizing a combined withdrawal of 420 gpm, 172 af/y. Three of these rights are for Fawn Lake Maintenance Assoc.
- One reservoir certificate authorizing storage of 580 acre-feet.
- Twelve ground water claims and two surface water claims located within Sec. 4, T. 19 N., R. 3 W.W.M.
- Two pending applications requesting ground water withdrawals for multiple domestic supply.
- Seventeen water well reports are on file with the Department of Ecology, including the applicants existing wells. These reports show that wells in this area range in depth from 54 to 270 feet below ground surface.

Based on well spacing in this area it is unlikely that withdrawals from this proposed well will interfere with the production of neighboring wells. However, withdrawals from this well may need to be regulated in the future if senior rights are impaired.

Water Requirements

Previous annual water requirements for this development were based on seasonal/recreational use. Currently the homes at Fawn Lake are nearly all year round residences. The water requirements for a multiple domestic supply should not exceed 450 gallons per day per home. For 390 homes this amounts to 195 acre-feet per year, 125 acre-feet is supplemental to existing rights and 70 acre-feet per year is issued as primary supply.

CONCLUSIONS:

In accordance with Chapters 90.03 and 90.44 RCW, I find there is water available for appropriation from the source in question, that the appropriation as recommended is a beneficial use, and should not impair existing rights or be detrimental to public welfare.

RECOMMENDATIONS:

I recommend approval of this application and issuance of a permit to allow appropriation of 200 gallons per minute, 195 acre-feet per year, from a well for multiple domestic supply of 390 homes. 125 acre-feet per year is issued supplemental to existing rights, 70 acre-feet per year is additional primary supply. The period of use shall be year round as needed. The total annual withdrawal under all domestic water rights for Fawn Lake Maintenance Association shall not exceed 195 acre-feet per year.

This permit is subject to existing rights and the following provisions.

"The total annual withdrawal under all domestic water rights for Fawn Lake Maintenance Association shall not exceed 195 acre-feet per year."

The water appropriated under this application will be used for public water supply. The State Board of Health rules require public water supply owners to obtain written approval from the Office of Water Supply, Department of Health, Mail Stop LD-11, Building 3, Olympia, Washington 98504, prior to any new construction or alterations of a public water supply system.

Installation and maintenance of an access port as described in WAC 173-160-355 is required. An air line and gauge may be installed in addition to the access port.

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All water wells constructed within the State shall meet the minimum standards for well construction and maintenance as provided under RCW 18.104, Washington Water Well Construction Act of 1972, and Chapter 173-160 WAC, Minimum Standards for Construction and Maintenance of Wells.

A completed well report of the well shall be submitted by the driller to the Department of Ecology within 30 days of completing this well. All pump test data for this well shall be submitted to the Department as it is obtained.

The Water Resources Act of 1971 specifies certain criteria regarding utilization and management of the waters of the State in the best public interest. Favorable consideration of this application has been based on sufficient waters available, at least during portions of the year. However, it is pointed out to the applicant that this use of water may be subject to regulation at certain times, based on the necessity to maintain water quantities sufficient for preservation of the natural environment.

In accordance with WAC 173-160-205, wells shall not be located within certain minimum distances of potential sources of contamination. These minimum distances shall comply with local health regulations, as appropriate. In general, wells shall be located at least 100 feet from a sewer, septic tank, privy, or other source of contamination. Wells shall not be located within 1,000 feet of a solid waste landfill.

The applicant is advised that notice of proof of appropriation of water (under which the final certificate of water right is issued) should not be filed until the permanent diversion facilities have been installed, and the system is currently in use. This includes installation of a mainline system capable of delivering the recommended quantity of water to an existing or proposed distribution system within the area to be served, and fulfillment of all other terms of this permit.

"The final withdrawal rate will be based on system capacity and may be reduced prior to issuance of the water right certificate."

An approved metering device shall be installed and maintained in accordance with RCW 90.03.360, WAC 508-64-020 through -040. Meter readings shall be recorded at least monthly.

This permit is subject to the implementation of the minimum requirements established in the Interim Guidelines for Public Water Systems Regarding Water Use Reporting, Demand Forecasting Methodology and Conservation Programs, July 1990 (attached), and as revised.

Under RCW 90.03.005 and 90.54.020(6), conservation and improved water use efficiency must be emphasized in the management of the states water resources, and must be considered as a potential new source of water. Accordingly, as part of the terms of this permit, the applicant shall prepare and implement a water conservation plan approved by Department of Health. The standards for such a plan may be obtained from either the Department of Health or the Department of Ecology.

REPORTED BY: Victor Windust Date: May 20, 1993

The statutory permit fee for this application is \$20.00.